

**Practice: 472 - Access Control****Scenario: #1 - Trails/Roads Access Control****Scenario Description:**

Restricting access to the use of forest/farm roads and trails by the use of a gate and signs. Extensive amount of fencing (other than that needed to restrict access at the site of ingress) is not included in this scenario, but instead will be planned and installed with the Fence practice (382).

**Before Situation:**

Roads are damaged or misused, illegal activities occur and/or forest resources are at risk. Resource concerns include undesirable plant productivity and health, concentrated flow erosion, soil compaction, excessive sediment in surface waters, and wildlife habitat degradation.

**After Situation:**

Roads are protected, illegal activities are stopped and/or forest resources are secure.

**Scenario Feature Measure:** Number

**Scenario Unit:** Each

**Scenario Typical Size:** 1

**Scenario Cost:** \$712.83

**Scenario Cost/Unit:** \$712.83

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Auger, Post driver attachment	934	Auger or post driver attachment to a tractor or skidsteer. Does not include power unit. Labor not included.	Hour	\$7.12	4	\$28.48
Tractor, agricultural, 60 HP	963	Agricultural tractor with horsepower range of 50 to 90. Equipment and power unit costs. Labor not included.	Hour	\$19.95	4	\$79.80
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$31.63	2	\$63.26
<b>Labor</b>						
General Labor	231	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.11	4	\$72.44
Equipment Operators, Light	232	Includes: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$20.15	4	\$80.60
<b>Materials</b>						
Property/Safety Signs	293	Plastic Fence safety or property sign - Printed on both sides 6 pre-drilled holes for hanging or nailing. 7.5" x 4.75". Includes materials and shipping only.	Each	\$1.41	100	\$141.00
Gate, Pipe, 14'	1058	6 rail tube gate, 16 gauge. Includes materials and shipping only.	Each	\$165.51	1	\$165.51
Concrete mix, bag	1226	Pre-mixed dry concrete mix in 60 pound bag. Materials only.	Each	\$3.65	6	\$21.90
Post, Wood, CCA treated, 6" x 8'	12	Wood Post, End 6" X 8', CCA Treated. Includes materials and shipping only.	Each	\$14.96	4	\$59.84

**Practice: 472 - Access Control****Scenario: #2 - Forest/Farm Access Control****Scenario Description:**

Restricting human access to a field/farm/property through use of gates, signage and other markings. The perimeter is marked with paint (at 100 foot intervals), signs at points of ingress and a gate installed to limit access to the property. Surveying is not necessary.

**Before Situation:**

A 20 acre tract (field, farm, forests, etc.) is being damaged or misused by illegal activities that put the resources/property at risk or needs controlled access due to an active management operation such as pest management or timber harvesting. Resource concerns include undesirable plant productivity and health, excessive sediment in surface waters, concentrated flow erosion, and wildlife habitat degradation.

**After Situation:**

The property is adequately marked, gated and protected, illegal activities are stopped and/or forest resources are secure.

**Scenario Feature Measure:** length in feet

**Scenario Unit:** Linear Foot

**Scenario Typical Size:** 3,900

**Scenario Cost:** \$1,309.21

**Scenario Cost/Unit:** \$0.34

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$31.63	4	\$126.52
Tractor, agricultural, 60 HP	963	Agricultural tractor with horsepower range of 50 to 90. Equipment and power unit costs. Labor not included.	Hour	\$19.95	4	\$79.80
Auger, Post driver attachment	934	Auger or post driver attachment to a tractor or skidsteer. Does not include power unit. Labor not included.	Hour	\$7.12	4	\$28.48
<b>Labor</b>						
Equipment Operators, Light	232	Includes: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$20.15	4	\$80.60
General Labor	231	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.11	8	\$144.88
<b>Materials</b>						
Concrete mix, bag	1226	Pre-mixed dry concrete mix in 60 pound bag. Materials only.	Each	\$3.65	4	\$14.60
Post, Wood, CCA treated, 6" x 8'	12	Wood Post, End 6" X 8', CCA Treated. Includes materials and shipping only.	Each	\$14.96	8	\$119.68
Gate, Pipe, 12'	1057	6 rail tube gate, 16 gauge. Includes materials and shipping only.	Each	\$164.75	1	\$164.75
Property/Safety Signs	293	Plastic Fence safety or property sign - Printed on both sides 6 pre-drilled holes for hanging or nailing. 7.5" x 4.75". Includes materials and shipping only.	Each	\$1.41	390	\$549.90

**Practice: 472 - Access Control****Scenario: #3 - Road, Trail closure****Scenario Description:**

Restricting human access to a field/farm/property through use of signage and other markings. Gravel burms are placed to halt vehicle traffic along with a metal barrier. The perimeter is marked with paint and signs at points of ingress. Surveying is not necessary.

**Before Situation:**

A 20 acre tract (field, farm, forests, etc.) is being damaged or misused by illegal activities that put the resources/property at risk or needs controlled access due to an active management operation such as pest management or timber harvesting. Resource concerns include undesirable plant productivity and health, excessive sediment in surface waters, concentrated flow erosion, and wildlife habitat degradation.

**After Situation:**

The property is adequately marked and protected, illegal activities are stopped and/or forest resources are secure.

**Scenario Feature Measure:** Number

**Scenario Unit:** Each

**Scenario Typical Size:** 1

**Scenario Cost:** \$1,021.68

**Scenario Cost/Unit:** \$1,021.68

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$31.63	2	\$63.26
Backhoe, 80 HP	926	Wheel mounted backhoe excavator with horsepower range of 60 to 90. Equipment and power unit costs. Labor not included.	Hour	\$47.65	8	\$381.20
<b>Labor</b>						
Equipment Operators, Light	232	Includes: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$20.15	8	\$161.20
General Labor	231	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.11	8	\$144.88
<b>Materials</b>						
Property/Safety Signs	293	Plastic Fence safety or property sign - Printed on both sides 6 pre-drilled holes for hanging or nailing. 7.5" x 4.75". Includes materials and shipping only.	Each	\$1.41	50	\$70.50
Aggregate, Gravel, Ungraded, Quarry Run	1099	Includes materials, equipment and labor	Cubic yard	\$16.72	12	\$200.64